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9. Jaguar skin being dried for trade to the frontier Jívaro (region between the upper Río Macuma and the upper Río Cangaimi, 1956–57).

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• 281
439
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ual garden plots tend to be smaller than those resulting from a large sustained effort by a group of neighbors.

Within the household, the basic aspects of life seem little changed except with regard to the amount of time men spend in land clearing and weaving. In recent decades, the time spent on these activities has been reduced, respectively, by the adoption of steel cutting tools and the acquisition of Western and Achuara cloth and articles of dress through trading partnerships. A man instead spends a larger percentage of his time simply relaxing in the house, going hunting to obtain skins for trade, and visiting other households.

The period of temporary matrilocal residence has become shortened in recent decades so that it now usually ends soon after the birth of the first child. Formerly, the couple commonly remained in the wife's parents' house until after the birth of the second or third child. The factors behind this change are not clear except that some informants said that in-laws were not getting along as well as they used to do in the old days. The occasional practice of avoiding temporary matrilocal residence and bride-service, by giving the bride's father a shotgun, is reportedly a recent development.

The introduction of firearms, starting slowly at about the turn of the century, constituted a major technological change in Jívaro culture comparable in importance to the adoption of steel cutting tools. At that time, during the height of the Amazon rubber boom, a few Winchester .44 caliber carbines were acquired by the interior Jívaro from the Achuara, the firearms being captured during head-taking raids. The acquisition of great numbers of firearms by the interior Jívaro, however, is a development of only the last three decades. The new firearms, which are muzzle-loading shotguns of Spanish manufacture, and possessed by virtually every adult male, have been acquired along with gunpowder and shot by trade

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more in defending houses against attack. Sugar cane was the chief antidote against the curare dart poison, and men going on a killing expedition would carry some to suck on if hit by a dart.

Despite the efficiency of the steel tools and their increased supply, the quantity and quality of the artifacts produced through their use does not seem to have particularly changed. In other aspects of work, the machete has replaced the aboriginal bamboo knife for skinning animals and cutting meat, and has almost entirely taken the place of the palm-wood "machete" in clearing gardens of weeds. Steel needles obtained from the West have partially replaced bone ones for sewing and boring. The traditional bone needles, because of their large size, are still preferred for some tasks, especially the making of netted bags. A new minor craft is the fashioning of powder horns from unworked cow horns obtained from trading partners in the west, who secure them from the whites.

The preparation of animal skins for trade has increased considerably in order to acquire steel tools, shotguns, and gunpowder from the frontier Jivaro trading partners. Cordage manufacture remains unchanged, but the local production of knotted and knotless netting bags is a new development, learned from the Achuara tribe as a result of the increased peaceful contacts by trading partners.

Western-manufactured clothing, along with trade cloth and glass beads, has been adopted gradually by men and women as a result of the development of the trading partnership system. The increased trade has also resulted in the acquisition of Achuara-woven cotton kilts. The acquisition of both Western and Achuara items of dress has greatly contributed to a decline in the home weaving of garments by Jivaro. Bark clothing, viewed as a sign of poverty, has be-